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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>		
		<b>Application Number</b>	10/774,561	
		<b>Filing Date</b>	2004-02-09	
		<b>First Named Inventor</b>	PARK, Vincent	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	DANIEL JR, WILLIE J.	
<b>Sheet</b>	1	of	9	<b>Attorney Docket No:</b> 060568U3

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2(f)</sup> (known)			
	001	US3542756	11-24-1970	GALLAGER ROBERT GRAY	
	002	US3665396	05-23-1972	FORNEY; Jr. George David	
	003	US4295218	10-13-1981	TANNER; Robert M.	
	004	US5157671	10-20-1992	KARPLUS; Kevin	
	005	US5271042	12-14-1993	BORTH; David F. et al.	
	006	US5293489	03-08-1994	FURUI; Toshiyuki et al.	
	007	US5313609	05-17-1994	BAYLOR; Sandra J. et al.	
	008	US5392299	02-21-1995	RHINES; Don S. et al.	
	009	US5396518	03-07-1995	HOW; Stephen K.	
	010	US5457704	10-10-1995	HOEHER; Peter et al.	
	011	US5526501	06-11-1996	SHAMS; Soheil	
	012	US5615298	03-25-1997	CHEN; Juin-Hwey	
	013	US5671221	09-23-1997	YANG; Jin	
	014	US5684835	11-04-1997	KROEGER; Brian W. et al.	
	015	US5742612	04-21-1998	GOURGUE; Frederic et al.	
	016	US5860085	01-12-1999	STORMON; Charles D. et al.	
	017	US5864703	01-26-1999	VAN HOOK; Timothy et al.	
	018	US5867538	02-02-1999	LIU; Qingli	
	019	US5892962	04-06-1999	CLOUTIER; Jocelyn	
	020	US5933650	08-03-1999	VAN HOOK; Timothy J. et al.	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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<b>Sheet</b>	<b>2</b>	<b>of</b>	<b>9</b>	<b>Attorney Docket No:</b> 060568U3
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	021	US5968198	10-19-1999	HASSAN; Amer A. et al.	
	022	US6002881	12-14-1999	YORK; Richard et al.	
	023	US6073250	06-06-2000	LUBY; Michael G. et al.	
	024	US6157815	12-05-2000	COLLINS; David Noel et al.	
	025	US6195777	02-27-2001	LUBY; et al.	
	026	US6205188	03-20-2001	STOTT; Jonathan Highton et al.	
	027	US6247158	06-12-2001	SMALLCOMB; Joseph	
	028	US6266758	07-24-2001	VAN HOOK; Timothy J. et al.	
	029	US6269124	07-31-2001	NAGAYASU; Takayuki et al.	
	030	US6292508	09-18-2001	HONG; Hilton K. et al.	
	031	US6298438	10-02-2001	THAYER; John S. et al.	
	032	US6339834	01-15-2002	CROZIER; Stewart N. et al.	
	033	US6397240	05-28-2002	FERNANDO; John Susantha et al.	
	034	US6438180	08-20-2002	KAVCIC; Aleksandar et al.	
	035	US6473010	10-29-2002	VITYAEV; Andrei et al.	
	036	US6484284	11-19-2002	SMALLCOMB; Joseph	
	037	US6490705	12-03-2002	BOYCE; Jill Macdonald	
	038	US6526538	02-25-2003	HEWITT; Eric	
	039	US6633856	10-14-2003	RICHARDSON; Tom et al.	

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		<b>Examiner Name</b>	DANIEL JR, WILLIE J.	
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	040	US6697441	02-24-2004	BOTTOMLEY; Gregory Edward et al.	
	041	US6718504	04-06-2004	COOMBS; Robert et al.	
	042	US6731700	05-04-2004	YAKHNICH; Evgeny et al.	
	043	US6754804	06-22-2004	HUDEPOHL; Lawrence Henry et al.	
	044	US6756872	06-29-2004	PENTHER; Bertrand	
	045	US6813219	11-02-2004	BLACKMON; Fletcher A.	
	046	US6895547	05-17-2005	ELEFThERIOU; et al.	
	047	US6925107	08-02-2005	HAGENAUER; Joachim et al.	
	048	US6934796	08-23-2005	PEREIRA; Jose P. et al.	
	049	US6961888	11-01-2005	JIN; Hui et al.	
	050	US6993070	01-31-2006	BERTHET; Antoine et al.	
	051	US7000177	02-14-2006	WU; Zining et al.	
	052	US7016440	03-21-2006	SINGER; Andrew C. et al.	
	053	US7027533	04-11-2006	ABE; Tetsushi et al.	
	054	US7065645	06-20-2006	TEICHER; Mordechai	
	055	US7072417	07-04-2006	BURD; Gregory et al.	
	056	US7095812	08-22-2006	CHAN; Albert et al.	
	057	US7099270	08-29-2006	YAMAGUCHI; Hirohisa	
	058	US7123663	10-17-2006	DE GAUDENZI; Ricardo et al.	

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	059	US7151830	12-19-2006	CARROLL; Dennis J.	
	060	US7154936	12-26-2006	BJERKE; Bjorn A. et al.	
	061	US7168033	01-23-2007	WU; et al.	
	062	US7170948	01-30-2007	BERTHET; Antoine et al.	
	063	US7173974	02-06-2007	SINDHUSHAYANA; Nagabhushana	
	064	US7173978	02-06-2007	ZHANG; et al.	
	065	US7178080	02-13-2007	HOCEVAR	
	066	US7203246	04-10-2007	YLITALO; Juha et al.	
	067	US7224758	05-29-2007	BANISTER; Brian C.	
	068	US7233782	06-19-2007	BAO; Feng et al.	
	069	US7247728	07-24-2007	LUITHLE; Joachim et al.	
	070	US7274728	09-25-2007	KUO; Wen-Yi	
	071	US7277509	10-02-2007	LILJESTROM; Henrik	
	072	US7292654	11-06-2007	SIMON; Marvin K. et al.	
	073	US7342981	03-11-2008	WONGWIRAWAT; Supat et al.	
	074	US7424002	09-09-2008	BARRATT; Craig H. et al.	
	075	US7675917	03-09-2010	JU; Mi-Suk et al.	
	076	US20020191593	12-19-2002	O'Neill; Alan et al.	
	077	US20040035828	02-26-2004	JIANCHANG; Ren	
	078	US20050053128	03-10-2005	SHEARER; Daniel D. III.	

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FOREIGN PATENT DOCUMENTS						
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	079	CA2266283A1	09-19-2000	TONG WEN [CA], et al.		<input type="checkbox"/>
	080	CN1081799A	02-09-1994	ERICSSON TELEFON AB L M [US]		<input checked="" type="checkbox"/>
	081	CN1270474	10-18-2000	HITACHI LTD [JP]		<input checked="" type="checkbox"/>
	<del>082</del>	<del>CN1270484</del>	<del>08-10-2000</del>	<del>CHINESE MOBILE TELECOMM GROUP, SAMSUNG ELECTRONICS CO LTD [KR]</del>		<del><input checked="" type="checkbox"/></del>
	083	EP1202591A2	05-02-2002	LUCENT TECHNOLOGIES INC [US]		<input type="checkbox"/>
	084	GB2354676A	03-28-2001	TELEFONAKTIEBOLAGET L M ERICSSON.		<input checked="" type="checkbox"/>
	085	GB2361390	10-17-2001	NEC CORP.		<input checked="" type="checkbox"/>
	086	JP07030437	01-31-1995	N T T IDOU		<input checked="" type="checkbox"/>
	087	JP07203540	08-04-1995	TSUUSHINMOU KK.		<input checked="" type="checkbox"/>
	088	JP10022994	01-23-1998	HITACHI LTD.		<input checked="" type="checkbox"/>
	089	JP10023489A	01-23-1998	KOKUSAI ELECTRIC CO LTD.		<input checked="" type="checkbox"/>
	090	JP2002125069	04-26-2002	MITSUBISHI ELECTRIC CORP.		<input checked="" type="checkbox"/>
	091	JP2003188737	07-04-2003	SONY CORP.		<input checked="" type="checkbox"/>
	092	JP2003283457	10-03-2003	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	093	RU2195783	12-27-2002	IPATEV VASILIJ		<input checked="" type="checkbox"/>

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				MIKHAJLOVICH., et al.	
	094	WO0035102A1	06-15-2000	SAMSUNG ELECTRONICS CO LTD [KR]	<input type="checkbox"/>
	095	WO0243424A1	05-30-2002	ERICSSON TELEFON AB L M [SE], et al.	<input type="checkbox"/>
	096	WO04079563	09-16-2004	FLARION TECHNOLOGIES INC., US.	<input type="checkbox"/>
	097	WO93023964	11-25-1993	TELEFONAKTIEBOLAGET LM ERICSSON.	<input type="checkbox"/>
	098	WO9722217A1	06-19-1997	MOTOROLA INC [US], et al.	<input type="checkbox"/>
	099	WO9826620A2	06-18-1998	ERICSSON GE MOBILE INC [US]	<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T2
	100	BERROU, A., et al., "Near Shannon limit error-correcting coding and decoding: Turbo codes", Proceedings 1993 IEEE International Conference on communications, Geneva, Switzerland, pgs. 1064-1070 (May 1, 1993).			<input type="checkbox"/>
	101	BLAHUT R., "Theory and Practice of Error Control Codes," Addison-Wesley Publishing, May 1, 1984, pgs.47-49.			<input type="checkbox"/>
	102	Digital cellular telecommunications system (Phase 2+); enhanced Multi-Level Precedence and Pre-emption service (eMLPP); (3GPP TS 03.67 version 7.2.0 Release 1998); ETSI TS 100 932 ETSI STANDARDS, LIS, SOPHIA ANTIPOLIS CEDEX, FRANCE, vol. 3-CN4;SMG3, no. V7.2.0, 1 December 2000 (2000-12-01), XP014005736.			<input type="checkbox"/>
	103	HEMATI, Saied et al., "VLSI circuits: Iterative decoding in analog CMOS," Proceedings of			<input type="checkbox"/>

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		<b>Filing Date</b>	2004-02-09	
		<b>First Named Inventor</b>	PARK, Vincent	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	DANIEL JR, WILLIE J.	
<b>Sheet</b>	7	of	9	<b>Attorney Docket No:</b> 060568U3

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		the 13th ACM Great Lakes Symposium on VLSI pgs 15-20, (April 1, 2003).		
	104	JIN et al., "Design of Low-Density Parity-Check Codes in Noncoherent Communication", International Symposium on Information Theory, (July 5, 2002).		<input type="checkbox"/>
	105	KONG et al., "Interleaved Cyclic Redundancy Check (CRC) Code", ACSSC pgs 2137-2141, Dept. of Electrical and Computer Engineering, IEEE (Jan. 1, 2003).		<input type="checkbox"/>
	106	LAMPE, L., H-J et al., "Iterative Decision-feedback Differential Demodulation of Bit-Interleaved coded MDPSK for Flat Rayleigh Fading Channels" IEEE Transactions on Communications, IEEE Vol. 49, No. 7, pgs 1176-1184, (July 1, 2001).		<input type="checkbox"/>
	107	MOBILITY AND SECURITY MANAGEMENT ED - MOULY M; PAUTET M-B" (1 January 1993), GSM SYSTEM FOR MOBILE COMMUNICATIONS, LASSAY-LES-CHATEAUX, EUROPE MEDIA, FR, PAGE(S) 432 - 498, XP000860007, page 465, line 16 - page 471, line 13.		<input type="checkbox"/>
	108	Mohammad M. Mansour, Neres R. Shanbhag, Session 11: Low-power VLSI decoder architectures for LDPC codes, Proceedings of the 2002 international symposium on Low power electronics and design (August 12, 2002), pgs. 284-289.		<input type="checkbox"/>
	109	NN77112415. "Digital Encoding of Wide Range Dynamic Analog Signals", IBM Techn. Disclosure Bulletin, Vol. No. 20, Issue No. 6, pgs. 2415-2417, (11/1/1997).		<input type="checkbox"/>
	110	NN9210335. "Hierarchical Coded Modulation of Data with Fast Decaying Probability Distributions", IBM Tech. Disclosure Bulletin, (October 1, 1992), Vol. No. 35; Issue No. 5; Pages 335-336, whole document.		<input type="checkbox"/>
	111	Paranchych et al. "Performance of a Digital Symbol Synchronizer in Co-channel Interference and Noise", IEEE Transactions on Communications, pages: 1945-1954; Vol. 48, No. 11, (Nov. 1, 2000), whole document.		<input type="checkbox"/>
	112	PELEG M., et al., "Iterative decoding for coded noncoherent MPSK communications over phase-noisy AWGN channel" IEE Proceedings: Communication, Institution of Electrical Engineers, GB, Vol. 147, No 2, pgs 87-95 (4/14/2000).		<input type="checkbox"/>
	113	PERKINS C ET AL: "IP Mobility Support; rfc2002.txt" IETF STANDARD, INTERNET ENGINEERING TASK FORCE, IETF, CH, (1 October 1996), XP015007786 ISSN: 0000-0003.		<input type="checkbox"/>
	114	PETERSON et al., "Error-Correcting Codes", Second Edition, The Massachusetts Institute of Technology Press, (January 1, 1972), pgs.212-213, 261-263, 362.		<input type="checkbox"/>

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	115	PROAKIS, John G., "Digital Communications" McGrawHill, pgs 272-273 XP002370408 (January 1, 2001).		<input type="checkbox"/>
	116	RAPHAELI, D., et al., "Combined Turbo Equalization and Turbo Decoding", IEEE Communications Letters, Vol. 2., No. 4, pgs 107-109 (4/4/1998).		<input type="checkbox"/>
	<del>117</del>	<del>Ratvnskiy M.B. "Basis of cellular communication", Moscow, Radio I Svyaz, (January 2000), pages 20-68.</del>		<del><input type="checkbox"/></del>
	118	Richardson et al. "The capacity of Low-density Parity-Check Codes Under Message-passing Decoding", IEEE Transactions on Information Theory, pages: 599-618, Vol. 47, No. 2, (February 2001) (same inventor) whole document.		<input type="checkbox"/>
	119	SOROKINE, V. et al., "Innovative Coding Scheme for Spread-spectrum Communications," THE NINTH IEEE International Symposium on Indoor and Mobile Radio Communications, Vol.3, (September 1,1998), pgs.1491-1495.		<input type="checkbox"/>
	120	Supplementary European Search Report - EP04758784 - Search Authority - The Hague - 2011-04-01 (060574U1EP).		<input type="checkbox"/>
	<del>121</del>	<del>T. Moors and M. Veeraraghavan, "Preliminary specification and explanation of Zing: An end-to-end protocol for transporting bulk data over optical circuits", pgs. 1-55 (May 15, 2001).</del>		<del><input type="checkbox"/></del>
	122	T. Richardson, A. Shokrollahi, R. Urbanke, "Design of Capacity-Approaching Irregular Low-Density Parity-Check Codes", pgs. 1-43 (March 2001).		<input type="checkbox"/>
	<del>123</del>	<del>T. RICHARDSON and R. URBANKE, "An Introduction to the Analysis of Iterative Coding Systems," 2001, pgs.1-36.</del>		<del><input type="checkbox"/></del>
	124	T. Richardson and R. Urbanke, "The Capacity of Low-Density Parity-Check Codes under Message-Passing Decoding", pgs. 1-44 (March 9, 2001).		<input type="checkbox"/>
	<del>125</del>	<del>Translation of Office Action in Japan Application 2006-503424 corresponding to US application 10/774,561, citing JP10023489 dated 2010-10-12 (060568).</del>		<del><input type="checkbox"/></del>
	<del>126</del>	<del>YAN, MING, "Channel Estimation," Internet Article, &lt;http://dsp.ucsd.edu/yanming/&gt; retrieved 03/01/2006.</del>		<del><input type="checkbox"/></del>

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